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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,363	06/15/2005	Johannes A. T. M. Van Den Homberg	NL 021372	7349
24737 PHILIPS INTE	7590 09/13/2007 LLECTUAL PROPER	EXAMINER		
P.O. BOX 3001			ALUNKAL, THOMAS D	
BRIARCLIFF	MANOR, NY 10510		ART UNIT PAPER NUMBER	
			2627	:
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/539,363	VAN DEN HOMBERG ET AL.		
Office Action Summary	Examiner	Art Unit		
	Thomas D. Alunkal	2627		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period versilized to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from , cause the application to become AB ANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
 Responsive to communication(s) filed on 15 Ju This action is FINAL. Since this application is in condition for alloware closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro			
Disposition of Claims				
4) ⊠ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-12 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	wn from consideration.			
Application Papers				
 9) The specification is objected to by the Examine 10) The drawing(s) filed on 15 June 2005 is/are: a) Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 	D⊠ accepted or b) objected to drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F	ate		
Paper No(s)/Mail Date	6) Other:	· · · · · · · · · · · · · · · · · · ·		

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DETAILED ACTION

Priority

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d).

Claim Objections

Claim 3 is objected to because of the following informalities: Claim 3 currently depends from itself. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, 7-8, and 10-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Yokogawa (US 4,787,078).

Regarding claim 1, Yokogawa discloses an optical disc drive apparatus (see Title), comprising: a laser device for generating a light beam for optically reading data from a disc, said laser device being incorporated in an LC oscillator circuit (Figure 4, Elements 3 and 4).

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Regarding claim 2, Yokogawa discloses wherein said LC oscillator circuit

comprises a current path in which said laser device and an inductance, preferably

implemented as a coil, are coupled in a series management (Figure 4, Element L (coil

inductor) and Element 4).

Regarding claim 3, Yokogawa discloses wherein said LC oscillator circuit

comprises at least one capacitance coupled in series with said laser device and said

inductance (Figure 4, Element C (capacitor)).

Regarding claim 4, Yokogawa discloses a laser driver circuit for driving a

semiconductor laser (Figure 2 and Figure 4), having a first output terminal and a second

output terminal for connection to the anode terminal and the cathode terminal,

respectively, of a laser to be driven (anode and cathode terminals are inherently

provided to the outputs of the APC); the laser driver circuit comprising an inductance

having at least one terminal coupled to at least one of said output terminals (Figure 4,

Element L).

Regarding claim 7, Yokogawa discloses a one-way conductor coupled between

one of said output terminals and a voltage reference, said one-way conductor preferably

comprising a diode (Figure 4, Element 4 (laser diode)).

Regarding claim 8, Yokogawa discloses wherein said one-way conductor

comprises a controllable switch controlled by a signal derived from a voltage occurring

at a location in a current path defined by said inductance and said output terminals, said

location preferably corresponding to one terminal or tap of said inductance (Figure 4,

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Element 4. More specifically, diode, 4, acts as a switch depending on the voltage being applied).

Regarding claim 10, Yokogawa discloses an output stage implemented as an oscillator, for instance a Pierce oscillator, a Colpitts oscillator, a Hartley oscillator, coupled to at least one of said output terminals (Figure 4, Element 1 (oscillator)).

Regarding claim 11, Yokogawa discloses a semiconductor laser driven by a laser driver circuit according to claim 4 (Column 2, lines 27-31 (semiconductor laser)).

Regarding claim 12, Yokogawa discloses a laser driver circuit according to claim 4 (Figure 2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yokogawa.

Regarding claim 5, Yokogawa discloses at least one capacitance (Figure 4, Element C). Yokogawa does not disclose where the capacitance is located between an inductance and first or second output terminal.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the capacitance located between an inductance and first

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or second output terminal, since it has been held that rearranging parts of an invention involves only routine skill in the art. *In re Japikse*, 86 USPQ 70.

Regarding claim 5, Yokogawa discloses wherein said inductance has one terminal coupled to a first output terminal (Figure 4, Element L). Yokogawa does not disclose where the inductance has its second terminal coupled to a second output terminal.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the inductance between first and second output terminals, since it has been held that rearranging parts of an invention involves only routine skill in the art. *In re Japikse*, 86 USPQ 70.

Claims 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yokogawa and in view of Bockle et al. (hereafter Bockle)(US PgPub 2003/0043611).

Regarding claim 9, Yokogawa does not disclose an inverter coupled in parallel to said inductance. In the same field of endeavor, Bockle discloses an inverter in parallel with an inductance (Paragraph 0010 and Figure 1).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to provide the inverter of Bockle to the laser driver circuit of Yokogawa, motivation being to reduce the amount of energy loss in the laser driver circuit (Paragraph 0013 of Bockle).

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sanford et al. (US 6,175,579) disclose an apparatus and method for laser frequency control. Gaddis (US 5,748,657) discloses a high efficiency constant current laser drive. Takahara (US 6,011,769) discloses an optical recording/reproducing apparatus. Fujikawa et al. (US 5,495,464) disclose an optical data recording/reproducing apparatus.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas D. Alunkal whose telephone number is (571)270-1127. The examiner can normally be reached on M-F 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on (571)272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Thomas Alunkal/ Examiner AU 2627

> WAYNE YOUNG SUPERVISORY PATENT EXAMINER

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